UNCLASSIFIED

Joint Program Executive Office for Chemical and Biological Defense

Joint Project Manager NBC Contamination Avoidance Overview

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Our Vision and Mission

PROGRAM VISION

Equip and sustain the world's most capable, powerful and respected Joint Forces with world class chemical, biological, and radiological contamination avoidance products, capabilities and services.

PROGRAM MISSION

The Joint Project Management Team for Nuclear, Biological, and Chemical Contamination Avoidance is responsible for the development, production, integration, testing, and fielding of NBC detection, obscuration, and reconnaissance systems.

We ensure our system developments, integration efforts and services focus on delivering capability to the Joint Warfighter

Programs in Research and Development

NGCD-1
Differential Mobility Spectroscopy (DMS)
Rapid Thermal Modulation Ion Spectrometry
Compact Ion Trap Mass Spec
NGCD-2
Short Wave IR (SWIR) Hyperspectral Imagery (HSI)
Long Wave IR (LWIR) HSI and Raman (785 nm)
LWIR HSI, and Raman (1064 nm), Quantum Cascade Laser (QCL) IR
Dual Wavelength Raman (1064 nm and 830 nm)
NGCD-3
Ion Trap Mass Spec
Triple Quad Mass Spec
GC-IMS and Raman (1064 nm)
NGCD-4
Colorimetric
Nano-Electrochemical
Resistive Sensing
Metal Organic Framework

Next Generation Chemical Detection (NGCD)

Stryker NBC Reconnaissance Vehicle Sensor Suite Upgrade

Joint Biological Tactical Detection System (JBTDS)

Dismounted Reconnaissance Sets, Kits and Outfits (DR SKO) and Joint CBRNE Advanced Capability Sets (JCACS)

Joint USFK Portal & Integrated Threat Recognition
Assessment of Environmental Detection (JUPITR)

Potential JE-RDAP Requirements

- **NGCD**
  - **NGCD Capabilities 1-3 EMD RFP release FY16; award FY17; Production FY19**
  - **NGCD 4 TMRR RFP release FY18; award FY19; Production FY22**
- **NBCRV Upgrades**
  - **Mass Spec / Sensor Suite RFP release FY17; award FY18**
  - **Chemical Surface Detector – EMD RFP release and award FY18**
- **Enhanced Maritime Biological Detection**
  - **EMD and Prod RFP release and award FY18**
- **JUPITR AED Follow-On**
  - **RFP release FY16; award FY17**
- **Dismounted Reconnaissance – Sets, Kits and Outfits (DR-SKO)**
  - **RFP release and award(s) FY17-FY21**

Potential JE-RDAP Requirements

- **Joint Exposure Status Sensor (JESS)**
  - **TMRR RFP release and award FY22**
- **CBRN Sensors Integration on Robotic Platforms (C-SIRP)**
  - **TMRR RFP release and award FY21**
- **Joint CBRNE Advanced Capability Sets (JCACS)**
  - **Procurement and technical support FY17-FY18**